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TO WILL WILLIAMS
Vice Williams vs. Will Williams
State of Tennessee, in Chancery Court
of Knox County. No. 16174

In this cause, it appearing from the affidavit filed, which is sworn to, that the defendant Will Williams is a non-resident of the state of Tennessee so that the ordinary process cannot be served upon him, it is ordered that said defendant appear before the Chancery Court, at Knoxville, Tennessee, on or before the 1st Monday of March next, and make defense to said bill, or the same will be taken for confessed and the cause set for hearing ex parte as to him. This notice will be published in the KNOXVILLE INDEPENDENT for four successive weeks.

This 1st day of February, 1919
J. C. FORD, Clerk & Master
S. E. N. Moore, Sol.
Feb. 1 8 15 22 1919

TO JOHN SPENCER
Delilah Spencer vs. John Spencer
State of Tennessee, in Chancery Court of Knox County. No. 16408

In this cause, it appearing from the bill filed, which is sworn to, that the defendant John Spencer is a non-resident of the state of Tennessee, so that the ordinary process of law cannot be served upon him, it is ordered that said defendant appear before the Chancery Court at Knoxville, Tenn., on or before the first Monday of March next, and make defense to said bill, or the same will be taken for confessed and the cause set for hearing ex parte as to him. This notice will be published in the KNOXVILLE INDEPENDENT for four successive weeks.

This 16th day of January 1919
J. C. FORD, Clerk & Master
Lon C. Mabry, Sol.
Jan. 16 25 Feb. 1 8 1919

TO EDNA MAY DUNES
Horace M. Dunes vs. Edna May Dunes
State of Tennessee, in Chancery Court of Knox County No. 16407

In this cause, it appearing from the bill filed, which is sworn to, that the defendant Edna May Dunes is a non-resident of Tennessee, so that ordinary process cannot be served upon her, it is ordered that said defendant appear before the Chancery Court, at Knoxville, Tennessee, on or before the first Monday of March next, and make defense to said bill, or the same will be taken for confessed and the cause set for hearing ex parte as to her. This notice will be published in the Knoxville Independent for four consecutive weeks.

This 17th day of Jan. 1919
J. C. FORD, Clerk & Master
R. A. Brown, Sol.
Jan. 18-25, Feb. 8 1919

TO VIOLA McKEE
Joe McKee vs. Viola McKee
State of Tennessee, in Chancery Court of Knox County. No. 16411

In this cause, it appearing from the bill filed which is sworn to, that the defendant Viola McKee is a non-resident of the State of Tennessee so that the ordinary process cannot be served upon her, it is ordered that said defendant appear before the Chancery Court, at Knoxville, Tennessee, on or before the 1st Monday of March next, and make defense to said bill, or the same will be taken for confessed and the cause set for hearing ex parte as to her. This notice will be published in the Knoxville Independent for four successive weeks.

This 18th day of January, 1919
J. C. FORD, Clerk & Master
CHAS. M. ROBERTS, Sol.
Jan. 18-25, Feb. 1 1919

Shortage of Coal Blow to Huns.
Berlin.—The coal shortage throughout Germany is so threatening that for the moment all other questions are overshadowed. The larger factories in many of the cities are already closed, and it will be necessary to shut down many of the biggest plants in Berlin if the situation does not improve within a fortnight. At present the daily production in the Ruhr district is less than 10,000 tons, against 24,000 during the war and 33,000 in peace times. The reserves are virtually exhausted.

Train service on the Missouri & North Arkansas railway was interrupted pending the settlement of a shopmen's strike, according to announcement made here. The strikers demanded the government scale of wages and back pay since January 1.

In its operation of the telegraph and telephone systems of the country the post office department will make no distinction between nonunion and union employees, according to an order from Postmaster General Burleson received at New York. Employment will be granted, the order stated, solely on the fitness of applicants.

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On good pike, four miles from

street railway, 46 acres, wire fenced

good five room house, with front

and back porch, two cisterns, good

barn and other outbuildings. All

kinds of fruit. Will be sold at a bar-

gain, part cash, balance on time pay-

ments. Inquire at Knoxville Inde-

pendent.

WATERWAY MEET IS ENDED

Resolutions Adopted at Closing Session

Recommend Chicago- Toledo-

Cincinnati Canals.

Defiance, Ohio, Jan. 30.—Resolutions

recommending the construction by the

government of barge canals connecting

Lake Erie with Lake Michigan and

with the Ohio river, the former route

by way of Toledo and Chicago and the

latter via Toledo and Cincinnati, were

adopted at the closing session of the

national deep waterway conference

here.

NEW PHONE RATES HOLD

U. S. District Court Has No Jurisdiction

to Grant Injunction Against

Collection of Higher Tariff.

Indianapolis, Ind., Jan. 30.—The

United States District court has no

jurisdiction to grant an injunction

against collection of the new long-dis-

tance telephone rates ordered into ef-

fect by Postmaster General Burleson.

Judge A. B. Anderson decided here.

The temporary restraining order

against the rate in Indiana was dis-

solved.

CLOTHING STRIKE TO SPREAD

25,000 More Workers in New York Will

Be Called Out if Settlement

Is Not Reached Soon.

New York, Jan. 30.—Approximately

25,000 more workers in this city en-

gaged in making women's clothing will

be called out unless the Dress and

Waist Manufacturers' association

reaches an early settlement with the

35,000 members of the International

Ladies' Garment Workers' union now

on strike, according to an announce-

ment by Benjamin Schlesinger, presi-

dent of the union. The workers are

demanding a forty-four-hour week, a

15 per cent wage increase and other

conditions.

SEEK SAFETY IN U. S. LINES

Many Refugees Fleeing From Shen-

kursk—Tell Stories of Bol-

shevik Massacres.

Archangel, Jan. 30.—The number of

refugees fleeing over forest paths in

zero weather from Shenkursk to the

American and allied lines north of

that town is increasing. Those who

left Shenkursk after the arrival of

the bolsheviks repeat stories of mas-

WHY

Perfect Mirror Can Be Pro-

duced Cheaply

Primitive man used the quiet pool for his mirror and highly polished metal mirrors have been found in most of the ancient ruins. For many generations mirrors have been made of glass, mercury or quicksilver films being the favored substance for the reflecting medium.

The older process is fully described in many places. It was attended by uncertainty and was objectionable for several reasons.

The more modern method is that of depositing metallic silver itself upon the glass, which must be clean if an even, homogeneous film is to be the result. Silver in certain solutions is easily displaced by other substances and being no longer held in solution, it is thrown down upon all available surfaces. The problem is to have it deposited at a rate that may be controlled and in a manner to give a uniform, continuous film free from defects. A large percentage of the silver must be deposited from the solution if losses are to be avoided.

Some recent work at the University of Pittsburgh has shown that alcohol added to the solution increases the efficiency of the process and that sugar is an excellent retarding agent, making it possible to control the rate of deposition.

Formaldehyde is used as the reducing solution.

By the use of these methods it has been estimated that serviceable films can be made at a cost for material not exceeding a few cents per square foot of surface.—Scientific American.

ARE GREAT NATIONAL ASSET

Why It Is of the Utmost Importance That Country's Forests Must Be Properly Guarded.

A little known but highly important service, both to the present generation and those that are to come, is rendered by the men who guard and care for our national forests. These are situated in all parts of the country, from Porto Rico to Alaska, and one of the most important duties is to protect them from fire, says the New York World.

The method employed in the Nebraska National forest is to first clear a strip of land. Twelve furrows are plowed on each side of this and the ground between them is burned over. This firebreak will halt the flames driven by a high wind. Its cost, 50 cents a mile for each furrow over ordinary land, may run to \$50 when heavy timber has to be cleared away.

To keep the forests up to standard, between 12,000 and 15,000 acres must be planted each year. In the Douglas fir region of Oregon the seeds are sown in the snow. They are scattered broadcast, and as the snow melts they sink deeper and deeper. Some are eaten by the birds, but when the snow has disappeared most of them are covered with enough earth to germinate and take root.

This work will yield results only in the future, but the national forests are already a great asset. Under expert selection many thousand feet of timber are cut each year.

Why Maine Girl Is Proud.

Although but eleven years of age, Christine Reed of Sanford is one of the "war-honor girls" of Maine. This title was bestowed on her by state school officials. She is the youngest stage driver in New England and her daily duty is to see that a score of pupils living in rural districts are transported to their schools.

When the war called the young men of Sanford to service there wasn't anyone left to drive the school children's stage coach. For awhile it looked as though the children wouldn't be able to get any schooling this term. Then Christine went to her father and said she would drive the stage. Her father consented and the child began. All through the winter she made the trips and none of the children she transported was late at any session. To accomplish this Christine has had to get out of bed each morning at 5:30 o'clock.

Why Marines Wear Green.

Folks from coast to coast are still wondering why the time-honored blue uniforms worn by the United States marines were superseded by the "forest greens" now in use.

"Practical military reasons" was the brief answer given by marine officials. But a history shark now comes forth with a better cause, he says, than mere military necessity for the change in colors.

He claims that green is the historic hue for the marine corps, and to prove it he has dug up an order of the "marine committee," dated September 5, 1776, prescribing a uniform of green coat, faced with white, white waistcoat and breeches edged with green, and black "gaiters."

How Temperature Changes.

Up to a height of six or seven miles the temperature falls one degree Fahrenheit for every 300 feet above sea level. Above the seven-mile point the temperature remains fairly level—at least up to 18 miles.

Meteorologists call this "the inversion layer." Needless to say, the air up there is pretty thin.

Even on the top of Mont Blanc it is impossible to make a good cupful of tea, because, owing to the greatly reduced pressure of the atmosphere, water boils when it is only lukewarm.

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HOW DOGS ARE BEING TRAINED TO AID BLIND FRENCH SOLDIERS

—Training of dogs to lead the blind has become an important institution where thousands of animals will eventually be prepared to lead sightless soldiers. The work is being done under the direction of the military authorities by amateurs who owned kennels of police and hunting dogs before the war.

Several hundred poodles are continually trotting about the neighborhood and through the village, some of them "graduates" of the big training school, leading "pallus" who left their sight in the trenches or in the battlefield. This real experience puts the finishing touch to the dog's education. The training is divided into two periods, during the first of which the dog learns what is called "carriage," or road behavior, abstinence from quarrels and resistance to temptations to playing with other dogs, neglect of garbage boxes and butcher shops. Next he is taught to avoid obstacles and how to pick his way across the street with regard to vehicles. Then he is turned over to a sightless hero of the war and kept under observation for a few days to make sure that his training is complete.

The blind man, too, requires a little training with the dog, for he finds it an entirely different matter to follow the string after having been led by the arm. Guided by a person, he abandons himself to his conductor and loses all notion of self-reliance, feeling that he is dominated by another will than his own. Consequently he insufficiently develops his remaining senses to make up for the one that is lacking. Led by a dog which must be ordered, no matter how efficient his training, he develops the sense of touch and hearing with remarkable rapidity through the necessity of remaining constantly attentive.

CONSIDERED IDEAL WAR CROP

Why the Cultivation of Artichokes Is Being Encouraged by the French Authorities.

Jerusalem artichokes, the sort grown in Michigan, are being boomed in France as an ideal war crop, for the reason that they grow quickly and abundantly in any kind of ground except that which is wet and marshy. They derive most of their sustenance from the air and not from the earth, but the richer the earth the larger will be the tubers.

Henri Blin in La Nature gives some instructions about their cultivation. The tubers should be planted as soon as the frost is out of the ground, at a depth of from two to three inches, in rows about 12 inches apart and about nine inches between tubers. As soon as the shoots appear they are to be thinned; in May they are to be earthed up and again in June. The cultivation is like that of potatoes.

They may be harvested by the end of October and the harvest will last until the end of March, for frost does not injure the tubers at all, so they may be left in the ground all winter. Jerusalem artichokes will yield from 22 to 24 tons to the acre and 10 to 12 tons of excellent forage, which should be cut in September.

How Soldier Sacrificed Himself.

Corp. Homer Wheaton, the first Syracuse (N. Y.) boy to be killed in action in France, lost his life by throwing his body over a grenade knowing that it meant instant death to him, but in doing so saved the lives of four comrades near by. This information was given by Sergt. Edward Creed of the 101st regiment, who has just returned from the trenches.

Sergeant Creed says the five were in a dugout preparing for a raid in No Man's Land and were heavily armed, with grenades. One fell to the floor, the pin dropping out, and it would explode in five seconds. Corporal Wheaton without any hesitancy leaped forward and dropped on the bomb to save his comrades. He made no effort to grab it, but deliberately sacrificed his life to protect the others. It exploded, instantly killing him.

How Girl Found Lost Watch.

As the result of a dream, Miss Besse Burns, an employee of the Eaton Rapids woolen mills, Charlotte, Mich., has found a gold watch she lost several weeks ago.

Miss Burns had advertised the loss and had given the timepiece up for lost when she had a dream one night that the watch was secreted among a bunch of papers in a filing cabinet at the mill. She told this to her parents the next morning, but they laughed at her. However, the dream was so vivid that she looked in the filing cabinet and found her timepiece just as it appeared in her dream.—Exchange.

How Wounds Are Now Treated.

A Wildt uses an ointment of boracic acid, to which he adds one, two or three drops of a 1:1000 adrenalin solution to each five grammes of ointment. The results obtained were a decrease in proliferation of granulation tissue, narrow cicatrices and a diminution of the wound secretions.—Munchener Medizinische Wochenschrift.

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S. G. HEISKELL

Attorney-at-Law
Phone 395 New Phone 1224
Room 109 Empire Building
Knoxville, Tenn.

Non-Resident Attachment Notice.
W. H. West vs. R. N. Murphy and
E. B. Hensley No. 16437

Before J. R. Ailor, Justice of the Peace for Knox County, Tennessee.
In this cause, it appears by affidavit that defendant E. B. Hensley is a non-resident of Tennessee, so that the ordinary process of law cannot be served upon him, and an original attachment having been issued, and returned to me, with a levy upon the defendants' property it is ordered that publication be made in the Knoxville Independent, a newspaper published in the city of Knoxville, Tennessee, for four consecutive weeks, commencing on the 20th day of Feb. 1919 and make defense to said suit, or it will be proceeded with ex parte.

This January 20th, 1919
J. R. Ailor, Justice of the Peace for Knox County, Tennessee.

*Jan. 25 - Feb. 1 8 15 1919

NON-RESIDENT NOTICE

TO MARY RICHARDS

Maek Richards vs. Mary Richards

State of Tennessee, in Circuit Court of Knox County. No. 8274

In this cause it appearing from the return of the officer, upon the summons issued in this case that Mary Richards defendant cannot be found, so that the ordinary process cannot be served upon her, it is ordered that said defendant appear before the Chancery Court, at Knoxville, Tennessee, on or before the first Monday of March next, and make defense to said bill, or the same will be taken for confessed and the cause set for hearing ex parte as to her. This notice will be published in the Knoxville Independent for four consecutive weeks.

This 11th day of Jan. 1919
Fred E. Carter, Clerk
W. F. Yardley Sol.

Jan. 11 18 25 Feb. 1 1919

TO EUGENE MORGAN

Laura Morgan vs. Eugene Morgan

State of Tennessee, in Chancery Court of Knox County. No. 16167

In this cause, it appearing from the bill filed, which is sworn to, that the defendant Eugene Morgan is a non-resident of Tennessee, so that the ordinary process cannot be served upon him, it is ordered that said defendant appear before the Chancery Court, at Knoxville, Tennessee, on or before the first Monday of March next, and make defense to said bill, or the same will be taken for confessed and the cause set for hearing ex parte as to him. This notice will be published in the Knoxville Independent for four consecutive weeks.

This 1st day of Jan. 1919
J. C. Fain, Sol.

February, 1 8 15 22 1919

TO CLARENCE MAXWELL

ELIZABETH OGLE AND HER

HUSBAND NICHOLAS OGLE

BEATRICE McBRATNEY AND

HER HUSBAND ARTHUR McBRATNEY

Horace F. Maxwell vs. Arthur Maxwell et al.

State of Tennessee, in Chancery Court of Knox County. No. 16427

In this cause, it appearing from the bill filed